

Attorney's
Docket
Number CPI-012CP5

Declaration, Petition and Power of Attorney For Patent Application

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled

"METHODS AND COMPOSITIONS FOR IDENTIFYING RECEPTOR EFFECTORS"

the specification of which was filed in the U.S. Patent and Trademark Office on:

January 17, 1996; and assigned Serial No.: 08/582,333.

I do not know and do not believe that the subject matter of this application was ever known or used in the United States before my invention thereof or patented or described in any printed publication in any country before my invention thereof or more than one year prior to the date of this application, and that said subject matter has not been patented or made the subject of an issued inventor's certificate in any country foreign to the United States on an application filed by me or my legal representatives or assigns more than twelve months prior to the date of this application; that I acknowledge my duty to disclose information of which I am aware which is material to the examination of this application, that no application for patent or inventor's certificate on the subject matter of this application has been filed by me or my representatives or assigns in any country foreign to the United States, except those identified below, and that I have reviewed and understand the contents of the specification, including the claims as amended by any amendment referred to herein.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, §1.56(a).

09474-200
"PATENT"

PRIORITY CLAIM

I hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed.

Check one:

☒ no such applications have been filed.

☐ such applications have been filed as follows

EARLIEST FOREIGN APPLICATION(S), IF ANY FILED WITHIN 12 MONTHS
(6 MONTHS FOR DESIGN) PRIOR TO THIS U.S. APPLICATION

| Country | Application Number | Date of Filing (month,day,year) | Priority Claimed Under 35 USC 119 |
|---------|--------------------|------------------------------------|--|
| | | | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| | | | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| | | | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| | | | <input type="checkbox"/> Yes <input type="checkbox"/> No |

ALL FOREIGN APPLICATION(S), IF ANY, FILED MORE THAN 12 MONTHS
(6 MONTHS FOR DESIGN) PRIOR TO THIS U.S. APPLICATION

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CLAIM FOR BENEFIT OF EARLIER U.S./PCT APPLICATION(S)

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application. As to subject matter of this application which is common to my earlier United States application, if any, described below, I do not believe that the same was ever known or used in the United States before my invention thereof or patented or described in any printed publication in any country before my invention thereof or more than one year prior to said earlier application, or in public use or on sale in the United States more than one year prior to said earlier application, that the said common subject matter has not been patented or made the subject of an inventor's certificate issued before the date of said earlier application in any country foreign to the United States on an application, filed by me or my legal representatives or assigns more than twelve months prior to said application and that no application for patent or inventor's certificate on said subject matter has been filed by me or my representatives or assigns in any country foreign to the United States except those identified herein.

| | | |
|---|--|------------------------------|
| <u>08/464,531</u> (Application Serial No.) | <u>June 5, 1995</u> (Filing Date) | <u>Pending</u> (Status) |
| <u>08/461,598</u> (Application Serial No.) | <u>June 5, 1995</u> (Filing Date) | <u>Pending</u> (Status) |
| <u>08/461,383</u> (Application Serial No.) | <u>June 5, 1995</u> (Filing Date) | <u>Pending</u> (Status) |
| <u>08/463,181</u> (Application Serial No.) | <u>June 5, 1995</u> (Filing Date) | <u>Pending</u> (Status) |
| <u>08/322,137</u> (Application Serial No.) | <u>October 13, 1994</u> (Filing Date) | <u>Pending</u> (Status) |
| <u>08/309,313</u> (Application Serial No.) | <u>September 20, 1994</u> (Filing Date) | <u>Abandoned</u> (Status) |
| <u>08/190,328</u> (Application Serial No.) | <u>January 31, 1994</u> (Filing Date) | <u>Abandoned</u> (Status) |
| <u>08/041,431</u> (Application Serial No.) | <u>March 31, 1993</u> (Filing Date) | <u>Abandoned</u> (Status) |

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorneys and/or agents to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

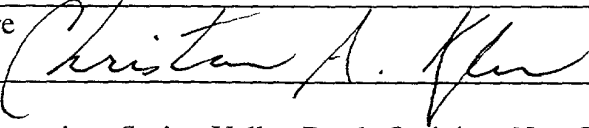
| | | | |
|------------------------|-----------------|-----------------------|-----------------|
| John A. Lahive, Jr. | Reg. No. 19,788 | Jeremiah Lynch | Reg. No. 17,425 |
| W. Hugo Liepmann | Reg. No. 20,407 | Amy E. Mandragouras | Reg. No. 36,207 |
| James E. Cockfield | Reg. No. 19,162 | Elizabeth A. Hanley | Reg. No. 33,505 |
| Thomas V. Smurzynski | Reg. No. 24,798 | Matthew P. Vincent | Reg. No. 36,709 |
| Ralph A. Loren | Reg. No. 29,325 | Paul Louis Myers | Reg. No. 35,965 |
| Thomas J. Engellenner | Reg. No. 28,711 | Beth E. Arnold | Reg. No. 35,430 |
| William C. Geary III | Reg. No. 31,359 | Anthony A. Laurentano | Reg. No. 38,220 |
| Giulio A. DeConti, Jr. | Reg. No. 31,503 | Jane E. Remillard | Reg. No. 38,872 |
| Michael I. Falkoff | Reg. No. 30,833 | Jean M. Silveri | Reg. No. 39,030 |
| Ann Lamport Hammitte | Reg. No. 34,858 | Mark A. Kurisko | Reg. No. 38,944 |
| John V. Bianco | Reg. No. 36,748 | Edward J. Kelly | Reg. No. 38,936 |

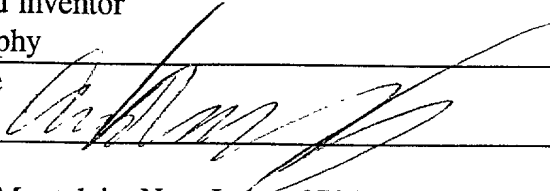
Send Correspondence to: Lahive & Cockfield, 60 State Street, Boston, MA 02109

Direct Telephone Calls to: Matthew P. Vincent, (617) 227-7400

Wherefore I petition that letters patent be granted to me for the invention or discovery described and claimed in the attached specification and claims, and hereby subscribe my name to said specification and claims and to the foregoing declaration, power of attorney, and this petition.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

| | | |
|-----------------------------|--|------------------------|
| Full name of first inventor | Christine A. Klein | |
| Inventor's signature |  | Date March 22, 1996 |
| Residence | Teatown Lake Reservation, Spring Valley Road, Ossining, New York 10562 | |
| Citizenship | USA | |

| | |
|---|-----------------|
| Full name of second inventor Andrew J. M. Murphy | |
| Inventor's signature  | Date 3/27/96 |
| Residence 17 Windsor Place, Montclair, New Jersey 07043 | |
| Citizenship USA | |

001222F"4224250

Customer Number: 000959

Attorney's
Docket
Number CPI-012CP5

Declaration, Petition and Power of Attorney for Patent Application

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

Methods and Compositions for Identifying Receptor Effectors

the specification of which

(check one)

☐ is attached hereto.

☒ was filed on January 17, 1996 as

Application Serial No. 08/582,333

and was amended on April 5, 1999, October 13, 1998, and January 8, 1998
(if applicable)

I do not know and do not believe that the subject matter of this application was known or used by others in the United States or patented or described in a printed publication in any country before my invention thereof, or patented or described in a printed publication in any country or in public use or on sale in the United States more than one year prior to the date of this application, or first patented or caused to be patented or made the subject of an inventor's certificate by me or my legal representatives or assigns in a country foreign to the United States prior to the date of this application on an application filed more than twelve months (six months if this application is for a design) before the filing of this application; and I acknowledge my duty to disclose information of which I am aware which is material to the examination of this application, that no application for patent or inventor's certificate on the subject matter of this application has been filed by me or my representatives or assigns in any country foreign to the United States, except those identified below, and that I have reviewed and understand the contents of the specification, including the claims as amended by any amendment referred to herein.

I acknowledge the duty to disclose to the Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, §1.56.

CLAIM OF BENEFIT OF EARLIER FOREIGN APPLICATION(S)

I hereby claim priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate listed below, and have also identified below any foreign application(s) for patent or inventor's certificate filed by me on the same subject matter having a filing date before that of the application(s) from which priority is claimed.

Check one:

☐ no such applications have been filed.

☐ such applications have been filed as follows

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(6 MONTHS FOR DESIGN) PRIOR TO THIS U.S. APPLICATION

| Country | Application Number | Date of Filing (month,day,year) | Priority Claimed Under 35 USC 119 |
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| | | | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| | | | <input type="checkbox"/> Yes <input type="checkbox"/> No |

ALL FOREIGN APPLICATION(S), IF ANY FILED MORE THAN 12 MONTHS
(6 MONTHS FOR DESIGN) PRIOR TO THIS U.S. APPLICATION

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CLAIM FOR BENEFIT OF U.S. PROVISIONAL APPLICATION(S)

I hereby claim the benefit under 35 U.S.C. §119(e) of any United States provisional application(s) listed below.

(Application Serial No.)

(Filing Date)

(Application Serial No.)

(Filing Date)

CLAIM FOR BENEFIT OF EARLIER U.S./PCT APPLICATION(S)

I hereby claim the benefit under Title 35, United States Code, §120 of any earlier United States application(s) or PCT international application(s) designating the United States listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the earlier application(s) in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose to the Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, §1.56 which became available between the filing date(s) of the earlier application(s) and the national or PCT international filing date of this application. As to subject matter of this application which is common to my earlier application(s), if any, described below, I do not know and do not believe that the same was known or used by others in the United States or patented or described in a printed publication in any country before my invention thereof, or patented or described in a printed publication in any country or in public use or on sale in the United States more than one year prior to the date(s) of said earlier application(s), or first patented or caused to be patented or made the subject of an inventor's certificate by me or my legal representatives or assigns in a country foreign to the United States prior to the date(s) of said earlier application(s) on an application filed more than twelve months (six months if this application is for a design) before the filing of said earlier application(s); and I acknowledge that no application for patent or inventor's certificate on said subject matter has been filed by me or my representatives or assigns in any country foreign to the United States except those identified herein.

08/464,531
(Application Serial No.)

June 5, 1995
(Filing Date)

Patented
(Status)

08/461,598
(Application Serial No.)

June 5, 1995
(Filing Date)

Patented
(Status)

08/461,383
(Application Serial No.)

June 5, 1995
(Filing Date)

Pending
(Status)

08/463,181
(Application Serial No.)

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Abandoned
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08/322,137
(Application Serial No.)

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08/309,313
(Application Serial No.)

September 20, 1994
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Abandoned
(Status)

08/190,328
(Application Serial No.)

January 31, 1994
(Filing Date)

Abandoned
(Status)

08/041,431
(Application Serial No.)

March 31, 1993
(Filing Date)

Abandoned
(Status)

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POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorneys and/or agents to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

W. Hugo Liepmann Reg. No. 20,407
James E. Cockfield Reg. No. 19,162
Thomas V. Smurzynski Reg. No. 24,798
Ralph A. Loren Reg. No. 29,325
Giulio A. DeConti, Jr. Reg. No. 31,503
Ann Lamport Hammitte Reg. No. 34,858
Elizabeth A. Hanley Reg. No. 33,505
Amy E. Mandragouras Reg. No. 36,207
John V. Bianco Reg. No. 36,748
Anthony A. Laurentano Reg. No. 38,220
Jane E. Remillard Reg. No. 38,872
Jeremiah Lynch Reg. No. 17,425
Kevin J. Canning Reg. No. 35,470

Lawrence E. Monks Reg. No. 34,224
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Catherine J. Kara Reg. No. 41,106
Linda M. Chinn Reg. No. 31,240
Faustino A. Lichauco Reg. No. 41,942
Jeanne M. DiGiorgio Reg. No. 41,710
Megan E. Williams Reg. No. 43,270
Nicholas P. Triano III Reg. No. 36,397
Peter C. Lauro Reg. No. 32,360
Reza Mollaaghababa Reg. No. 43,810
Timothy J. Douros Reg. No. 41,716
John L. Welch Reg. No. 28,129

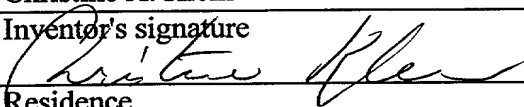
Send Correspondence to Giulio A. DeConti, Jr. at **Customer Number: 000959** whose address is:
Lahive & Cockfield, LLP, 28 State Street, Boston, MA 02109

Direct Telephone Calls to: (name and telephone number)

Giulio A. DeConti, (617) 227-7400

Wherefore I petition that letters patent be granted to me for the invention or discovery described and claimed in the attached specification and claims, and hereby subscribe my name to said specification and claims and to the foregoing declaration, power of attorney, and this petition.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

| | |
|---|----------------|
| Full name of sole or first inventor Christine A. Klein | |
| Inventor's signature  | Date 4/9/99 |
| Residence Teatown Lake Reservation, Spring Valley Road, Ossining, New York 10562 | |
| Citizenship United States | |
| Post Office Address (if different) | |

Full name of second inventor, if any

Andrew J. Murphy

Inventor's signature

Date

4/9/99

Residence

10 Newton Court, Croton-on-Hudson, New York 10520

Citizenship

United States

Post Office Address (if different)

Full name of fourth inventor, if any

James Broach

Inventor's signature

Date

4/12/99

Residence

6 Andrews Lane, Princeton, New Jersey 08540

Citizenship

United States

Post Office Address (if different)

Full name of fifth inventor, if any

John Manfredi

Inventor's signature

Date

4-9-99

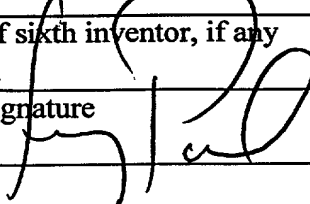
Residence

Teatown Lake Reservation, Spring Valley Road, Ossining, New York 10562

Citizenship

United States

Post Office Address (if different)

| | |
|---|-----------------|
| Full name of sixth inventor, if any Jeremy Paul | |
| Inventor's signature  | Date 4.12.99 |
| Residence 55 Summit Street, Nyack, New York 10960 | |
| Citizenship United States | |
| Post Office Address (if different) | |

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Dana M. Fowlkes


Date _____

2013 Damascus Church Road, Chapel Hill, North Carolina 27516

United States

Post Office Address (if different)

Figure 1 is a schematic representation of the experimental design. It shows a flowchart with three main stages: Pretest, Training, and Test. The Pretest stage includes Pretest 1 and Pretest 2. The Training stage includes Training 1 and Training 2. The Test stage includes Test 1 and Test 2. A Control group is shown in a separate box, also receiving Pretest, Training, and Test phases. The Experimental group is shown in a larger box, receiving Pretest, Training, and Test phases, with an additional Posttest phase following the Test phase.

| | |
|---|-----------------|
| Full name of sixth inventor, if any Joshua Trueheart | |
| Inventor's signature  | Date 4-17-99 |
| Residence 212 South Broadway, South Nyack, New York 10960 | |
| Citizenship United States | |
| Post Office Address (if different) | |

0974774 122100